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<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/733,505	GREEN ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Dmitry Suhol	3712	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to applicants response filed 8/4/04.
2. ☒ The allowed claim(s) is/are 1-11.
3. ☒ The drawings filed on 11 December 2003 are accepted by the Examiner:
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

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| <ol style="list-style-type: none"><li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li><li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li><li>3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date _____</li><li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li></ol> | <ol style="list-style-type: none"><li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li><li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li><li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li><li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li><li>9. <input type="checkbox"/> Other _____</li></ol> |
|--|---|

  
**DERRIS H. BANKS**  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 3700

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the specification page 3, line 2, after "...2002..." insert - - now U.S. Patent No. 6,726,484 - -.

### ***Terminal Disclaimer***

The terminal disclaimer filed on August 4<sup>th</sup>, 2004 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of U.S. Patent No. 6,726,484 has been reviewed and is accepted. The terminal disclaimer has been recorded.

### **REASONS FOR ALLOWANCE**

The following is an examiner's statement of reasons for allowance: The specific limitations of a combination of (with respect to claim 1) "...a polar pin bushing member having a polar through passage with the polar pin extending therethrough, said bushing

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member also including a single mounting pin connection, said polar pin and said mounting pin each rotatably connected to the bushing member for simultaneous rotation of the globe about a polar axis and an equatorial axis, said bushing member comprising having an outside rib positioned between the first and second hemispheres, and said bushing member further including a radial mounting pin passage said mounting pin passage extending from the outside rib toward the polar through passage, said mounting pin in the mounting pin passage and including a mechanism for retaining the mounting pin in the mounting pin passage, said hemispheres defining an equatorial axis and said polar pin defining a polar axis at right angles to the equatorial axis", (with respect to claim 5) "...a single equatorial mounting plate bushing member; a polar axis pin connected to the first pole and to the second pole, said first and second hemispheres rotatably mounted on said plate bushing member with the equatorial rims in opposed, spaced relation and the polar axes in alignment; and said plate bushing member also including a single radial equatorial mounting pin connection, said mounting pin connection rotatably connected to the mounting arm for simultaneous rotation of the globe about a polar axis and a radial equatorial axis, said bushing member further including an outside rib positioned between the first and second hemispheres along the equatorial rims" and (with respect to claim 9) "...a polar axis pin connected to the first pole and second pole, said equatorial rims in opposed, spaced relation; and a polar pin bushing member between the first and second hemispheres for engaging the polar pin, said bushing member also including a single mounting pin connection, said polar pin and said mounting pin each rotatably connected to the

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bushing member for simultaneous rotation of the globe about a polar axis and an equatorial axis, said bushing member further including an outside rib positioned between the first and second hemispheres, and said bushing member further including a radial mounting pin passage said mounting pin passage extending radially from the outside rib toward the polar axis, said mounting pin in the mounting pin passage and including a mechanism for retaining the mounting pin in the mounting pin passage, said hemispheres defining an equatorial axis and said polar pin defining a polar axis at right angles to the equatorial axis, said mounting pin rotatably connected to the mounting arm” are not anticipated or made obvious over the prior art of record in the examiners opinion. For example, a bushing member being a generally circular plate having a radial mounting pin passage with bushings therein is shown in the figure of German globe. A globe having a polar pin connection is taught by Lamphiear, U.S. Patent No. 5,505,621 element 46 and Masunaga U.S. Patent 4,752,228 element 20. However, prior art of record fails to teach/disclose or obviate a combination of the above structural features as claimed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

### ***Conclusion***

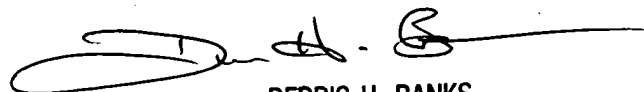
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dmitry Suhol whose telephone number is 703-305-0085. The examiner can normally be reached on Mon - Friday 9am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Derris Banks can be reached on 703-308-1745. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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